

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/910,354C
Source: 1Fw/6
Date Processed by STIC: 6/19/06

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IFW16

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/910,354C

DATE: 06/19/2006
 TIME: 13:57:13

Input Set : A:\Mod-0032.ST25.txt
 Output Set: N:\CRF4\06192006\I910354C.raw

3 <110> APPLICANT: Jarrell, et al., Kevin
 5 <120> TITLE OF INVENTION: Modular Vector Systems
 7 <130> FILE REFERENCE: 2003320-0032
 9 <140> CURRENT APPLICATION NUMBER: 09/910,354C
 10 <141> CURRENT FILING DATE: 2001-07-20
 12 <160> NUMBER OF SEQ ID NOS: 24
 14 <170> SOFTWARE: PatentIn version 3.2
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 23
 18 <212> TYPE: DNA
 19 <213> ORGANISM: Artificial
 21 <220> FEATURE:
 22 <223> OTHER INFORMATION: PCR primer EU-1 for amplification of a vector fragment containing
 23 bacterial origin of replication, Lac I gene, and pT7 promoter.
 25 <400> SEQUENCE: 1
 26 cauggtatat ctccttctta aag
 29 <210> SEQ ID NO: 2
 30 <211> LENGTH: 22
 31 <212> TYPE: DNA
 32 <213> ORGANISM: Artificial
 34 <220> FEATURE:
 35 <223> OTHER INFORMATION: PCR primer Eu-2 for amplification of a vector fragment containing
 36 bacterial origin of replication, Lac I gene, and pT7 promoter.
 38 <400> SEQUENCE: 2
 39 cucatgacca aaatccctta ac
 42 <210> SEQ ID NO: 3
 43 <211> LENGTH: 22
 44 <212> TYPE: DNA
 45 <213> ORGANISM: Artificial
 47 <220> FEATURE:
 48 <223> OTHER INFORMATION: PCR primer EU-3 for amplification of a vector fragment containing
 49 Amp gene.
 51 <400> SEQUENCE: 3
 52 gagattatca aaaaggatct tc
 55 <210> SEQ ID NO: 4
 56 <211> LENGTH: 20
 57 <212> TYPE: DNA
 58 <213> ORGANISM: Artificial
 60 <220> FEATURE:
 61 <223> OTHER INFORMATION: PCR primer EU-4 for amplification of a vector fragment containing

62 Amp gene.
64 <400> SEQUENCE: 4
65 uaactagcat aacccttgg

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68 <210> SEQ ID NO: 5
 69 <211> LENGTH: 21
 70 <212> TYPE: DNA
 71 <213> ORGANISM: Artificial
 73 <220> FEATURE:
 74 <223> OTHER INFORMATION: PCR primer 5' Lac Z for amplification of an insert fragment
 75 containing Lac Z gene.
 77 <400> SEQUENCE: 5
 78 augaccatga ttacgcacac g 21
 81 <210> SEQ ID NO: 6
 82 <211> LENGTH: 22
 83 <212> TYPE: DNA
 84 <213> ORGANISM: Artificial
 86 <220> FEATURE:
 87 <223> OTHER INFORMATION: PCR primer 3' Lac Z for amplification of an insert fragment
 88 containing Lac Z gene.
 90 <400> SEQUENCE: 6
 91 uuacaatttc cattcgccat tc 22
 94 <210> SEQ ID NO: 7
 95 <211> LENGTH: 37
 96 <212> TYPE: DNA
 97 <213> ORGANISM: Artificial
 99 <220> FEATURE:
 100 <223> OTHER INFORMATION: PCR primer 5' OST for amplifying an Ori fragment from pET 19
 b.
 102 <400> SEQUENCE: 7
 103 ctgctaagtgc agcucgacag atcgctgaga taggtgc 37
 106 <210> SEQ ID NO: 8
 107 <211> LENGTH: 36
 108 <212> TYPE: DNA
 109 <213> ORGANISM: Artificial
 111 <220> FEATURE:
 112 <223> OTHER INFORMATION: PCR primer 1N 3' Ori(s) for amplifying an Ori fragment from
 pET
 113 19b.
 115 <400> SEQUENCE: 8
 116 aagcttgcta agtagggcgt tttccatag gctccg 36
 119 <210> SEQ ID NO: 9
 120 <211> LENGTH: 36
 121 <212> TYPE: DNA
 122 <213> ORGANISM: Artificial
 124 <220> FEATURE:
 125 <223> OTHER INFORMATION: PCR primer 1NT5'KAN for amplifying a fragment containing the
 126 kanamycin resistance gene from pCR2.1 topo.
 128 <400> SEQUENCE: 9
 129 ctaccttagca agcttctatc tggacaaggaaaacg 36
 132 <210> SEQ ID NO: 10
 133 <211> LENGTH: 41
 134 <212> TYPE: DNA
 135 <213> ORGANISM: Artificial
 137 <220> FEATURE:

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138 <223> OTHER INFORMATION: PCR primer T73' KAN for amplifying a fragment containing the
139 kanamycin resistance gene from pCR2.1 topo.
141 <400> SEQUENCE: 10
142 ccctatacgatg agtcgttata aggcgaaaac tctcaaggat c 41
145 <210> SEQ ID NO: 11
146 <211> LENGTH: 42
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial
150 <220> FEATURE:
151 <223> OTHER INFORMATION: PCR primer tcs1 for amplifying a fragment containing the
152 luciferase gene from pG1 II basic.
154 <400> SEQUENCE: 11
155 ttaatacgac tcactatagg gatggaagac gccaaaaaca ta 42
158 <210> SEQ ID NO: 12
159 <211> LENGTH: 36
160 <212> TYPE: DNA
161 <213> ORGANISM: Artificial
163 <220> FEATURE:
164 <223> OTHER INFORMATION: PCR primer tc58 for amplifying a fragment containing the
165 luciferase gene from pG1 II basic.
167 <400> SEQUENCE: 12
168 gagctcactt agcagttaca atttggactt tccgcc 36
171 <210> SEQ ID NO: 13
172 <211> LENGTH: 36
173 <212> TYPE: DNA
174 <213> ORGANISM: Artificial
176 <220> FEATURE:
177 <223> OTHER INFORMATION: PCR primer 1NT 5'KAN for amplifying a fragment containing
the
178 kanamycin resistance gene from pCR 2.1 topo.
180 <400> SEQUENCE: 13
181 ctaccttagca agctuctatc tggacaaggaaaaaacg 36
184 <210> SEQ ID NO: 14
185 <211> LENGTH: 33
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial
189 <220> FEATURE:
190 <223> OTHER INFORMATION: PCR primer 1NT 3'KAN for amplifying a fragment containing
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191 kanamycin resistance gene from pCR 2.1 topo.
193 <400> SEQUENCE: 14
194 gagctcactt agcaaggcgaaactctcaa gga 33
197 <210> SEQ ID NO: 15
198 <211> LENGTH: 37
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial
202 <220> FEATURE:
203 <223> OTHER INFORMATION: PCR primer 1NT5' Ori for amplifying a fragment containing
the Ori
204 from pET 19b.
206 <400> SEQUENCE: 15
207 ttgcttaatgtt agcucgacag atcgctgaga taggtgc 37

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D NO: 16
H: 36
DNA
ISM: Artificial
RE:
INFORMATION: PCR primer 1N3'Oris for amplifying a fragment containing
from pET 19b
NCE: 16
agtagggcgt tttccatag gctccg 36
D NO: 17
H: 37
DNA
ISM: Artificial
RE:
INFORMATION: PCR primer 3nt 5'OST for amplifying an Ori fragment.
NCE: 17
agcucgacag atcgctgaga taggtgc 37
D NO: 18
H: 36
DNA
ISM: Artificial
RE:
INFORMATION: PCR primer 3nt 5'OST for amplifying an Ori fragment.
NCE: 18
gguaggctac gtcttgctgg cgttcg 36
D NO: 19
H: 36
DNA
ISM: Artificial
RE:
INFORMATION: PCR primer 3nt 5'KHT for amplifying a KAN fragment.
NCE: 19
agcuuctatc tggacaaggg aaaacg 36
D NO: 20
H: 35
DNA
ISM: Artificial
RE:
INFORMATION: PCR primer 3nt 3'KST for amplifying an Ori(s) fragment.
NCE: 20
agcagggcga aaactctcaa ggatc 35
D NO: 21
H: 37
DNA
ISM: Artificial
RE:
INFORMATION: PCR primer 1NT 5'ORI for amplifying an Ori(s) fragment.
NCE: 21
agctcgacag atcgctgaga taggtgc 37

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283 <210> SEQ ID NO: 22
284 <211> LENGTH: 36
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial
288 <220> FEATURE:
289 <223> OTHER INFORMATION: PCR primer 1NT3' Ori(s) for amplifying an Ori(s) fragment.
291 <400> SEQUENCE: 22
292 aagcttgcta ggttagggcgt ttttccatag gctccg 36
295 <210> SEQ ID NO: 23
296 <211> LENGTH: 36
297 <212> TYPE: DNA
298 <213> ORGANISM: Artificial
300 <220> FEATURE:
301 <223> OTHER INFORMATION: PCR primer 1NT 5'KAN for amplifying an KAN fragment.
303 <400> SEQUENCE: 23
304 ctaccttagca agctuctatc tggacaaggg aaaacg 36
307 <210> SEQ ID NO: 24
308 <211> LENGTH: 33
309 <212> TYPE: DNA
310 <213> ORGANISM: Artificial
312 <220> FEATURE:
313 <223> OTHER INFORMATION: PCR primer 1NT3'KAN for amplifying an Ori(s).
315 <400> SEQUENCE: 24
316 gagctcactt agccaggcga aaactctcaa gga 33

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/19/2006
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24

VERIFICATION SUMMARY

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